

TIMELINEZ

VOLUME 9

ISSUE 01

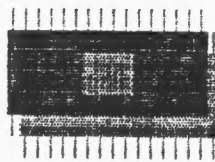
JAN - APR 1990

\$3.00

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Sinclair

VIEW FROM RANTOP



SPECIAL ANNIVERSARY ISSUE

Welcome to the ninth (9) volume of TIMELINEZ. This issue has started out as a crawl since the purchase of American Micro Systems during the latter part of December, 1990. In the last issue, the BOUND-UP newsletter was voiced to members as the new home for TIMELINEZ. This can not be with the foundering of S.M.U.G. So to be true to the four (4) clubs supporting this newsletter, TIMELINEZ will continue as before. Make all N/L exchanges and monetary correspondence to:

TIMELINEZ
P.O. BOX 1312
Pacifica, CA 94044

ATTN: George Mockridge

For articles to be printed with-
in TIMELINEZ and letters to the
editor, write to:

Andrew Hradesky

975 Nolte Drive West
Colorado Springs, CO 80916
(719) 591-6773

Write all checks or
money-orders in care
of George Mockridge.

This years subscrip-
tion rate will cover
three (3) issues for
\$9.00.

Happy
TIMEX'n

VOYAGER'S INCREDIBLE JOURNEY

With

The LITTLE COMPUTER that COULD

by
Sharon Begley
and
Mary Hager

Condensed from NEWSWEEK

by
READER'S DIGEST

Compiled by the NITE-TIMES NEWS
Volume 4, Number 1

With nothing but a radio transmitter to herald its arrival, a gawky aluminum bird swooped over the north pole of the planet Neptune in August of 1989. Streaking through the remote reaches of the solar system, the unmanned spacecraft Voyager 2 sent stunning photos and data 2.8 billion miles to the Jet Propulsion Laboratory (JPL) in Pasadena, Calif., where astronomers eagerly awaited an encounter with the blue planet. Its main mission completed, Voyager turned Neptune's gravitational force into a celestial slingshot and sped toward a rendezvous with infinity.

For 12 years Voyager 2 has soared through the solar system, sending back spectacular photos of Jupiter, Saturn, Uranus and Neptune, along with more than five trillion bits of scientific data.

Voyager 2 has proved to be the most successful space probe ever launched. Yet when the 1819-pound craft rocketed from Cape Canaveral on August 20, 1977, and pointed itself toward its place in history, the trip was one heart-stopper after another. A radio receiver malfunctioned, and then the backup became tone deaf, unable to lock onto a particular frequency. Controllers had to predict what Voyager could hear on the basis of the spacecraft's temperature, distance and motion. After the Jupiter flyby, a silicon chip failed, wiping out three percent of the computer's memory. At Saturn, the scan platform that holds the cameras and other instruments jammed; but the lubricant seeped back into the gears in time for the meeting with Uranus. Somehow the geriatric Voyager 2, arthritic and partially deaf, managed to reach Neptune.

CONTINUED NEXT PAGE ==>

Support For sinclair

ZX81 - spectrum - 81

and

TIMEX sinclair

1000 - 1500 - 2068



CAMBRIDGE

Z 88

computers

Steering Voyager within 3000 miles of the planet's cloud tops, at 61143 m.p.h., required some of the most complicated engineering NASA has ever undertaken. For years flight jockeys at JPL, where the craft was designed and built, had fine tuned its trajectory. When Voyager finally reached Neptune, it was just 21 miles wide of where the scientists expected it to be - the cosmic equivalent of sinking a 2260 mile putt. "Not bad shooting", said project manager Norman Haynes.

Over the next years, NASA's computer aces had radioed up so many improvements to the on-board computer that the craft had essentially received a long-distance brain transplant many times. (This was only possible because of 1977 vintage 8 bit. "Little Computer that Could" had only 64K of addressable memory. Program managers stated that had the craft contained todays higher tech 16 or 32 bit processors, with all the RAM that they can address, their programmers would have had an even more monumental task for, as programmers are given more space to write in, they feel compelled to use as much of it as they possibly can!]

As Voyager closed in on Neptune, JPL engineers worked round the clock to radio instructions. But they did not know the exact location of the debris encircling the planet. Since it takes over four hours for signals to travel between Earth and Neptune, there was no chance for last-minute fixes: a collision could have doomed the mission. Fortunately, Voyager managed to avoid the orbiting junk.

The data arrived on a radio signal so weak - a ten quadrillionth of a watt - that 38 giant radio antennas on four continents were used to catch Voyager's whispered message. And what a message it was. Neptune turned out to be a dynamic, stormy world. Cloaked in a thick haze of hydrogen and helium, the planet is streaked by 1500 m.p.h. winds that push clouds of frozen methane. A tremendous storm system, a counter-cyclone as big across as Earth and christened the Great Dark Spot, marks the southern hemisphere.

Voyager's view of Neptune was almost upstaged by the planet's largest moon, Triton, called "the most curious thing we've ever seen" by Voyager geologist Laurence Soderblom. Already known as an astronomical renegade because it is the only large moon in the solar system whose orbit is in the opposite direction of its parent planet's rotation. Triton showed a face mottled like the finest Italian pink marble.

Triton seemed to have a history like ice cream carried home in August: frozen, melted, then frozen again. Perhaps it once was a planet, only to be drawn out of its solar orbit by Neptune's gravitational embrace. (Voyager 2 found signs of icy volcanism and rough patches caused by Triton's Quakes. It found six previously unknown moons around Blue Neptune bringing

the known total to eight. The spacecraft also discovered at least four rings around the planet. Said Voyager geologist Laurence Soderblom: "What a way to leave the solar system!"

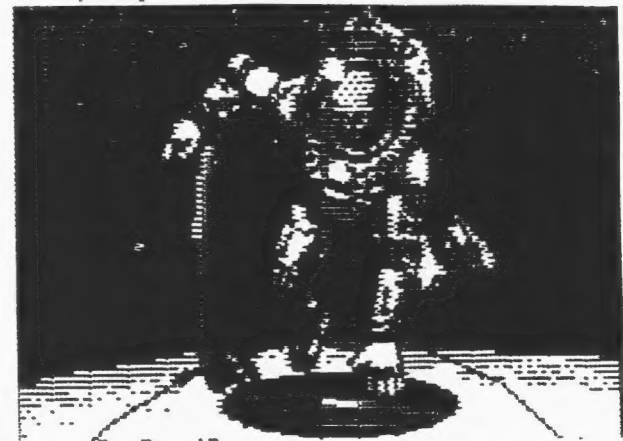
The new finds came so quickly that trying to make sense of them all was like trying to drink from a fire hose. The solar system's violent history is no-where more evident than in the rings and moons Voyager kept discovering, first around Jupiter and Saturn, then Uranus and Neptune. "Voyager focused our attention on the importance of collision", says chief project scientist Edward Stone. Each cosmic crash, a potent sculptor of the solar system, would produce a different kind of ring, ranging from the luminous bands around Saturn to the 11 narrow, sharply bounded rings of Uranus.

The primary mission now completed, Voyager 2's cameras, infrared detector and photopolarimeter was turned off in the latter part of 1990. The electricity conserved will power instruments that will measure the exotic fields and subatomic particles littering the route to interstellar space. By 2020, Voyager 2 will probably fall silent, its generators too feeble to power communications. In the year 40,176 it should come within 1.7 light years (one light year equals six trillion miles - the distance light travels in one year) of the star Ross 248, a cool, red speck of twinkling gas. In the year 296,036, Voyager 2 will pass within 4.3 light years of Sirius.

The chances are small, but one of these stars might have a planet with beings intelligent enough to detect the tiny, silent wanderer. If they retrieve Voyager, they will find, mounted on its side, a gold plated copper disc, complete with stylus and cartridge. If they figure out how to play it, they will hear greetings in 60 Earth languages and one whale dialect, as well as the natural sounds of the planet - thunder clapping, frogs croaking and a newborn baby crying.

If the craft encounters no one, it will float forever through the Milky Way, an emissary of the curious earthlings who launched it, hoping to make their mark in the vastness of cosmic time.

[I hope this article makes you owners of 8 bit machines a bit more reluctant to part with your trusty companions.]



Please add .25 cents for postage.

RE-MORSE-FUL HE CONTINUED...

```

10 REM ..MR. MORSE'S CODE
   ..LOAD "CODE"

20 REM ..BY GERTIE ANDERSSON
   ..5/80

300 GO SUB 7000: REM ..UDG
310 GO SUB 8000: REM ..INTRO
320 REM ..THE CODE
330 LET U=5: LET H=0
340 LET V=3: LET H=0
350 PRINT "INTERNATIONAL MORSE"

400 FOR I=65 TO 90
410 PRINT AT U,H:CHR$(I) " "
420 GO SUB (I*10)+1000
430 LET U=U+1
440 IF V=21 THEN LET H=15: LET
450 NEXT I
460 LET V=11
470 FOR I=45 TO 57
480 PRINT AT U,H:CHR$(I) " "
490 GO SUB (I*10)+1000
500 LET U=U+1
510 NEXT I
520 GO TO 5000
530 REM ..ENCODING MESSAGE
540 INPUT "TYPE IN MESSAGE. NO
550 PUNCTUATION MARKS":E$
560 LET L=LEN E$: LET A=1
570 FOR I=1 TO L
580 LET C=CODE E$(A TO A)*10+10
590 GO SUB C
600 LET P=A+1
610 NEXT I
620 GO TO 5000
630 REM ..DECODING MESSAGE
640 CLS: PRINT "SPECIAL INSTRU
650 CTIONS FOR DECOD- ING MESSAGE:"
660 PRINT "BE SURE COMPUTER IS
670 IN GRAPHICS MODE. ONLY FOUR KEY
680 S ARE USED:"
690 PRINT "M, N, SPACE BAR AND
700 ENTER. M, THE WIDER LETTER, IS
710 "DAH", THE
720 PRINT "LONGER CODE CHARACTE
730 R, AND N IS DIT, PRESS SPACE BAR
740 FOR SPACES BETWEEN WORDS OR ""
750 " IN THIS PROGRAM."
760 PRINT "BE SURE TO TYPE IN
770 ONE SPACE AFTER EACH CODE LETT
780 ER:"
790 PRINT "" MNMNSpace ENTE
800
810 PRINT "AT END OF MESSAGE TA
820 KE COMPUTER OUT OF GRAPHICS MODE
830 AND TYPE """"
840 PRINT "READY? PUT COMPUTER
850 IN GRAPHICS MODE AND ENTER ":"
860 INPUT X$: CLS
870 INPUT "ENTER CODE ":D$
880 IF D$="" THEN GO TO 5000
890 IF D$="" THEN PRINT ""
900 GO SUB 3000
910 GO TO 600

```

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1000 REM ..ENCODING
1100 PRINT " " RETURN
1200 PRINT " " RETURN
1300 PRINT " " RETURN
1400 PRINT " " RETURN
1500 PRINT " " RETURN
1600 PRINT " " RETURN
1700 PRINT " " RETURN
1800 PRINT " " RETURN
1900 PRINT " " RETURN
2000 PRINT " " RETURN
2100 PRINT " " RETURN
2200 PRINT " " RETURN
2300 PRINT " " RETURN
2400 PRINT " " RETURN
2500 PRINT " " RETURN
2600 PRINT " " RETURN
2700 PRINT " " RETURN
2800 PRINT " " RETURN
2900 PRINT " " RETURN
3000 PRINT " " RETURN
3100 PRINT " " RETURN
3200 PRINT " " RETURN
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5000 PRINT " " RETURN
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5200 PRINT " " RETURN
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6100 PRINT " " RETURN
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8100 PRINT " " RETURN
8200 PRINT " " RETURN
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8800 PRINT " " RETURN
8900 PRINT " " RETURN
9000 PRINT " " RETURN
9100 PRINT " " RETURN
9200 PRINT " " RETURN
9300 PRINT " " RETURN
9400 PRINT " " RETURN
9500 PRINT " " RETURN
9600 PRINT " " RETURN
9700 PRINT " " RETURN
9800 PRINT " " RETURN
9900 PRINT " " RETURN

```

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FE-MORSE-FUL HE CONTINUED...

```

3000 REM ..DECODING
3010 IF D$="" THEN PRINT "A";
3020 IF D$="...." THEN PRINT "B";
3030 IF D$="....." THEN PRINT "C";
3040 IF D$="...." THEN PRINT "D";
3050 IF D$="..." THEN PRINT "E";
3060 IF D$="...." THEN PRINT "F";
3070 IF D$="..." THEN PRINT "G";
3080 IF D$="....." THEN PRINT "H";
3090 IF D$="..." THEN PRINT "I";
3100 IF D$="....." THEN PRINT "J";
3110 IF D$="..." THEN PRINT "K";
3120 IF D$="....." THEN PRINT "L";
3130 IF D$="..." THEN PRINT "M";
3140 IF D$="..." THEN PRINT "N";
3150 IF D$="....." THEN PRINT "O";
3160 IF D$="....." THEN PRINT "P";
3170 IF D$="....." THEN PRINT "Q";
3180 IF D$="..." THEN PRINT "R";
3190 IF D$="..." THEN PRINT "S";
3200 IF D$="..." THEN PRINT "T";
3210 IF D$="..." THEN PRINT "U";
3220 IF D$="....." THEN PRINT "V";
3230 IF D$="...." THEN PRINT "W";
3240 IF D$="....." THEN PRINT "X";
3250 IF D$="....." THEN PRINT "Y";
3260 IF D$="....." THEN PRINT "Z";
3270 IF D$="....." THEN PRINT " ";
3280 IF D$="....." THEN PRINT " ";
3290 IF D$="....." THEN PRINT " ";
3300 IF D$="....." THEN PRINT " ";
3310 IF D$="....." THEN PRINT " ";
3320 IF D$="....." THEN PRINT " ";
3330 IF D$="....." THEN PRINT " ";
3340 IF D$="....." THEN PRINT " ";
3350 IF D$="....." THEN PRINT " ";
3360 IF D$="....." THEN PRINT " ";
3370 RETURN
3380 REM ..COPYING
3390 INPUT "COPIES? Y/N ";X$
3400 IF X$<>"Y" THEN GO TO 3050
3410 INPUT "HOW MANY? ";X
3420 FOR I=1 TO X: COPY : LPRINT
3430 : NEXT I
3440 INPUT "MENU? Y/N ";X$
3450 IF X$<>"Y" THEN GO TO 3000

```

```

5100 REM ..MENU
5110 CLS
5120 PRINT "WHAT'S YOUR PLEASU
5130 CHOOSE BY NUMBER, "
5140 PRINT "1. MORSE CODE
5150 2. ENCODE MESSAGE
5160 3. DECODE MESSAGE

```

```

5140 INPUT X
5150 IF X=1 THEN CLS : GO TO 100
5160 IF X=2 THEN CLS : GO TO 300
5170 IF X=3 THEN CLS : GO TO 500
5200 REM ..INTRO
5210 PRINT "MEET MR. MORSE

```

```

5220 PRINT "WITH THIS PROGRAM YO
5230 U CAN LIST THE CODE, SEND A MES
5240 SAGE IN CODE"
5250 PRINT "OR DECODE ONE SENT T
5260 O YOU, THE FIRST TWO ARE EASY B
5270 UT DECODING"
5280 PRINT "TAKES SOME CARE, INS
5290 TRUCTIONS ARE GIVEN IN THAT SE
5300 CTION OF THE PROGRAM."
5310 PRINT "AS WITH MR. MORSE'
5320 S INVENTION THERE ARE NO PUNCTUA
5330 TION MARKS IN THIS PROGRAM."
5340 PRINT "PLEASE NOTE!! COMP
5350 UTER MUST BE IN CAPS LOCK MODE, E
5360 NTER CODES (M AND N) IN GRAPHIC
5370 S MODE."
5380 PRINT "HERE'S A CHALLENGE
5390 FOR YOU, SPARKS - MAKE UP YOU
5400 R OWN CODE"
5410 PRINT "AND SHARE IT WITH A
5420 FRIEND FOR TRULY SECRET COMMUNI
5430 CATIONS."
5440 PRINT AT 21,0;"ALL SET? PLE
5450 ASE ENTER.": INPUT X$
5460 GO TO 5100
5470 REM ..UDG
5480 LET Z=156
5490 FOR U=1 TO 2
5500 FOR X=0 TO 7
5510 READ Y: POKE USA CHR$ Z+X,Y
5520 : NEXT X
5530 LET Z=Z+1: NEXT U
5540 DATA 0,0,0,0,0,0,62,63: REM
5550 ..DAH
5560 DATA 0,0,0,0,0,0,24,24: REM
5570 ..DIT
5580 RETURN
5590 CLS : PRINT "
5600
5610 PRINT AT 21,25;"GA 90"

```



SinLink Volume 10;; Numbers:: 4-6 April thru June -- 2nd Quarter

1991 Jun 18 11:19:12

28XX pnc "flp4_Sa916t4 xir",131,1,0,27,1,5,0,1,1

6.28 Sa91618a - D: SEATUG/SLIX QL diskette exchange? -
To: Ken Goods-T:- ..

6.27 Sa91617b - D: C68 for the QL, L.A./Cleveland-Freenet
Connection - From: Tim Swenson-703-820-6657..

6.26 Sa91617a - D: Sn916(2) SSUG-ML, Member List, & Cleveland
-Freenet Report - From: Richard Gintling-216-653-2170..

6.25 Sa91616b - D: ALF Meeting Report - Amiga Lattice C
Compiler FOR SALE - Contact: Bert Koehler-415-967-6901
ext. 204..

6.24 Sa91616a - D: TSCUG-(6) Meeting - Contributions (2) to
SLIX Library - Contact: George Mockridge-415-878-1773..

6.23 Sa91615b - D: Internet news.announce.newcomer files (5)
- Downloaded by: Bill Miller..

6.22 Sa91615a - D: CompuServe to Internet messages (2) -
From: Andy Hradesky-T:-CIS-72267,3572..

6.21 Sa91611a - D: \$15 SinLink Subscription Renewal Check &
Note - From: David Bennett-717-774-7531..

6.20 Sx91618a - D: Pn916.8, PRCC-ML, Contents (4) - From:
Ralph Vasko-412-379-8762..

6.19 Sa91608E - D: CompuServe to Internet messages (3) -
From: Andy Hradesky-T:-CIS-72267,3572..

6.18 Sa91608d - D: New Psion Handheld Computer - Contact:
anthony@csd4.csd.uum.edu, uum!uumcsd4!anthony ..

6.17 Sa91608c - D: TS1000 Suntronics keyboard needed - By:
William Hurdlow-415-447-1520..

6.16 Sa91608b - D: C64 MORE Milpitas User Group Meeting -
Contact: Clark Murphy..

6.15 Sa91608a - D: TS1500 game software needed - By: David
Brown-415-533-7558..

6.14 Sa91607d - D: TS1000 & 5.25 in. 40-track drive needed -
By: Andy Hradesky-719-591-6773..

6.13 Ss91607c - D: \$15 SinLink Renewal Check & card - From:
Joan Kealy-T:- ..

6.12 Sa91607b - D: 6502 Emulator in QuickBasic! - By: Steve
Nichols-T:-HFS885-400-253-2295..

6.11 Sa91607a - D: Cleveland-Freenet-216-368-3888 info
request - To: Richard Gintling-216-653-2170..

6.10 Sx91606b - D: Bn916-2, TS-Bulletin-ML, Contents (4) -
From: Bill Harmer-T:- ..

6.09 Sa91606a - D: SinLink Jan. to Mar. 1991 and Diskettes
from Mark Martin ready! - To: Mark Wahl-415-643-1133..

6.08 Sa91605c - D: PC Unix Sig Meeting Report - Contact: Dan
Kionka-400-944-7941..

6.07 Sa91605b - D: SLIX Mailing (11) - Postage \$6.34..

6.06 Sa91605a - D: Disk Exchange, Re: Sa91503a - For: Mark
Martin..

6.05 Sx91604a - D: Mn915-7, SNUG-ML, Contents (4) - From:
Bill Heberlein-414-353-4522..

6.04 Sa91601d - D: Milwaukee Internet Access? - Contacts:
Bruce Welsh-414-463-9662..

6.03 Sa91601c - D: TSCE SIG/TCU Meeting Report (6) - By:
Bill Miller..

6.02 Sa91601b - D: Sinclair Z88 News - From: BUB00Rlivid.uib
.no ..

6.01 Sa91601a - D: PC UNIX SIG Meeting Notice - From: UUCP:
cadence!dkionka..

5.28 Sa91531a - D: TS News from Computer Monthly Cw916-186
(4) - By: Bill Ferree-T:-CIS-73520,2674..

5.27 Sa91530a - D: TS User Report - By: Andy Hradesky-T:- ..

5.26 Sa91529a - D: SLIX File Server Project Files (3) -
From: Steve Nichols..

5.25 Sa91526a - D: 16K RAMPack for TS1500 needed - By: Bill
Phillips-400-732-7768..

5.24 Sa91525b - D: TS1000/PC3000 user report - By: Joe
Rampola-T:-CIS-70521,1145..

5.22 Sa91525a - D: Z88 Software Archive - From:
gingell@auris12.aurgate@mc.org ..

5.21 Sa91521a - D: QL Exchange Diskettes, Free Internet
Access! - From: Mark Martin-517-655-2542..

5.20 Sa91520b - D: TSCUG Meeting Report - By: Bob Orrfelt-
415-369-9136..

5.19 Sx91520a - D: In9143-8, ISTUG-ML, Contents (7) - From:
Frank Davis-317-473-0031..

5.18 Sm91519a - D: TSCUG-3 Meeting - Contact: George
Mockridge-415-878-1773..

5.17 Sa91516d - D: 20MB 3.5-in. floppy \$Brier\$ prices: Drive
- \$849; Media - \$30 - Contact: Brier-400-435-0463..

5.17 Sa91516c - D: GUTSCE/SV Member Report - By: Michael
Furnan-400-245-3418..

5.16 Sx91516b - D: Cn912t1-4, Cn914t3-14, CATUG-ML: Tn916t4-
27, T/SNUG-ML: Contents (16+15+16) - From: Bob Suoger-
700-576-0068..

5.15 Sx91516a - D: Pn915-8, PRCC-ML, Contents (4) - From:
Ralph Vasko-412-379-8762..

5.14 Sa91515c - D: Sn913t1-Mailing-1-@-.2151 - From: Bill
Miller-400-253-3175..

5.13 Sa91515b - D: GUTSCE/SV Meeting & Call - To: Bob
Orrfelt..

5.12 Sa91515a - D: Sn913t1-Mailing-0-@-.1003 - From: Bill
Miller..

5.11 Sa91514b - D: Note to SinLink \$Past Due\$ Members/
Subscribers (2): Jess Wyder, David Bennett - From:
Bill Miller..

5.10 Sx91514c - D: Sn913t1 SinLink printing - \$38.50 @
.1145 - By: Bill Miller..

5.09 Sa91514a - D: Sn913t1_Mailing-Plan (23) - By: Bill
Miller..

5.08 Sx91513a - D: Bn915-6, TS-Bulletin-ML, Contents (7+5)-
From: Bill Harmer-T:- ..

5.07 Sa91511a - D: Z88 help needed - By: Grover Cleveland-
916-478-3153..

5.06 Sa91510a - D: TS2068 Modem info needed - By: Mike
Stephens-415-763-5265..

5.05 Sa91504b - D: TSCE SIG/TCU_6 Meeting Report - By: Bill
Miller..

5.04 Sa91504a - D: Z88, GNU, Emacs, C68, Floptical, Brier,
Insite News - From: Internet..

5.03 Sa91503a - D: QL Software Diskettes (5), UPDATE! Index,
QL Emulator, QL Com Pgm, QL BBS - From: Mark Martin-
517-655-2542..

5.02 Sa91501b - D: PC_UNIX_SIG_34 Meeting Report - By: Bill
Miller..

5.01 Sa91501a - D: Z88 help needed - By: John Peterson-
707-966-5081..

4.24 Sa91430b - D: TS News from Computer Monthly, Cw915-188
- By: Bill Ferree-T:-CIS-73520-2674..

4.23 Sx91430a - D: Mn914-10, SNUG-ML, Contents (4) - From:
Bill Heberlein-414-353-4522..

4.22 Sa91429b - D: FREE TS1000 - From: Kirk Corum-
400-253-0343..

4.21 Sa91429a - D: TS1000 System \$FOR SALE\$ - By: Lee Dodge
415-856-8348..

4.20 Sa91427a - D: Z88, Psion Organiser Sale News - From:
Internet..

POTENTIAL NEW AND OLD MEMBERS!

Please complete the application below with your \$9.00 to cover membership / subscription and send to:

TIMELINEZ
P.O. BOX 1312
PACIFICA, CA 94044

ATTN: GEORGE MOCKRIDGE

MAKE ALL CHECKS PAYABLE TO:

"GEORGE MOCKRIDGE"

User group meetings are always open to the public at no charge. Attendance is highly encouraged.

NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE: _____ WORK#: _____

HOW DID YOU HEAR ABOUT US?
FEST _____ COMPUTER STORE _____

NEWSPAPER/MAGAZINE _____

MEMBER/FRIEND _____

WORK WITH A COMPUTER AT YOUR JOB?
YES _____ NO _____ MAKE/MODEL _____

DO YOU OWN A COMPUTER? YES _____ NO _____
MAKE/MODEL (YOURS) _____

IS IT YOUR FIRST? YES _____ NO _____

COMPUTER EXPERIENCE (YEARS) _____ (MONTHS) _____

PROGRAMMING INTERESTS ARE?
BASIC _____ ASSEMBLY _____
FORTH _____ MACHINE CODE _____
PASCAL _____ C COMPILER _____

KNOWLEDGE: SOFTWARE _____ HARDWARE _____

LIST MAIN INTERESTS/ACTIVITIES
PROGRAMMING (BA,MC) _____ GRAPHICS _____
ENTERTAINMENT/GAMES _____ EDUCATION _____
BUSINESS APPLICATION _____ FINANCE _____

Mini File Server BBS (7F5085)

Supports: 300/1200 baud at 8,N,1
Terminal: VT52
Sysop: Steve Nichols
Phone#: (408) 253-2295

NOTICE

The Mini File Server BBS gives support for TIMEX and Sinclair on disc #10. SLIX is also available.

TSCPUG

TIMEXsinclair Cambridge Support for:
Peninsula Users Group -TIMEXsinclair's
311 Michelle Lane 1000/1500/2068
Daly City, CA 94015 -Cambridge 238
(415) 878-1773 -Sinclair's
Spectrum, +128K
and QL

President: George Mockridge
Host: Walt Johnson

Meetings: Third Sunday of each month, 1:00 pm
Peninsula Hospital (Sierra Room)
1783 El Camino Real
Burlingame, CA

Dates: Jan. 20, '91 Apr. 21, '91 Jul. 21, '91
Feb. 17, '91 May 19, '91 Aug. 18, '91
Mar. 17, '91 Jun. 16 '91 Sep. 15, '91

GUTSEE/SV

TIMEXsinclair Cambridge Emacs
Silicon Valley Users (408) 253-3175
6675 Clifford Drive
Cupertino, CA 95014-4538

Host: Bill Miller

Meetings: Third Wednesday of each month - 7:30 pm
CALL FOR MEETING LOCATION

Projects: Organizing Sinclair Information

Dates: Jan. 16, '91 Apr. 17, '91 Jul. 17, '91
Feb. 20, '91 May 15, '91 Aug. 21, '91
Mar. 20, '91 Jun. 19, '91 Sep. 18, '91

TBS-BAY, INC.

Tampa and Suncoast Bay Area
Microcomputer Users' Group, Inc.

Hosts: Eric Best, George Featherman, Warren Reed

Meetings: Second Saturday of each month at 7:30 pm
Beach Federal Savings and Loan
7777 North Seminole Blvd.
Seminole, FL

Dates: Jan. 12, '91 Apr. 13, '91 Jul. 13, '91
Feb. 09, '91 May 11, '91 Aug. 10, '91
Mar. 09, '91 Jun. 08, '91 Sep. 14, '91

TSCE_Sig/TCB

TIMEXsinclair Cambridge/Emacs S.I.G
of The Computer Workshop
6675 Clifford Drive
Cupertino, CA 95014-4538
(408) 253-3175

SIG Host: Bill Miller

Meetings: First Saturday of the month at 10:00 am
Stanford University
Jordan Hall, Building 380 (in the Quad)
Room 380C (downstairs)

Dates: Jan. 5, '91 Apr. 6, '91 Jul. 6, '91
Feb. 2, '91 May 4, '91 Aug. 3, '91
Mar. 2, '91 Jun. 1, '91 Sep. 7, '91

For all the TIMEXsinclair 2068 owners that have the Portuguese disc-drive system (also known as the Zebra drives, TMX drives or the FDD-3000 system), a special treat awaits you. Just when you thought the FDD Express (the newsletter that supported this disc operating system) was forever lost, along comes The FDD-Newsletter. Here, Jay S. Siegel has started his own publication to support the TIMEX Operating System known as TOS. TOS is the original Disc Operating System for the TS2068 that was developed here in the U.S. and marketed abroad. With the unique design of the disc-drive system, the disc controller board also doubles as a 64K Z80 based CPU computer that will run CP/M 2.2.

This, plus much more information will be within Jay's newsletter. For those interested, Jay asks you to send \$10.00 to:

Jay S. Siegel
1274 49th Street #821
Brooklyn, NY 11219-3091
(718) 853-8128

One small inconvenience to TMX/FDD-3000 users is the lack of an NMI save button. Since TOS is written over the address space that would contain the NMI, it is not possible to have such a feature. This plus the lack of saving Spectrum programs onto disc has its draw-backs.

According to Mike Finn, Nazir Pastoon has offered to convert the TMX/FDD disc interface to accomodate a small switch that will allow TS2068 users to save Spectrum programs to disk. Do not get this confused with the NMI save option. All this small switch (you **MUST** have a Spectrum emulator in the works via the cartridge port, the expansion slot, or a magnetic switch) will do is allow the connection of the disc-drive system to a 2068 emulating a Spectrum. You will still need to alter the Spectrum program to run off the drives.

For more detailed information, write to:

Nazir Pastoon
940 Beau Drive, Apt. 204
Des Plaines, IL 60016
(708) 439-1679 (evenings)

Nazir is charging \$40.00 to perform the hardware modification. He also includes a disc containing Spectrum programs and demos.

On another topic, "From Out Of 'THE ASHES' Rises....."

ZXir QLive Alive!

This is the official publication to T/SNUG. The national group which will replace SNUG. A full featured article will be covered in the next issue of TIMELINEZ.

For more info, call 708-837-7957.

Managing Editor: Andy Hradesky
Editors:
TSCPU: George Mockridge
GUTSCE: Bill Miller
Mile_H: Curt Carlson

This TIMELINEZ Newsletter is a joint publication of four TIMEX Sinclair User Groups in the US.

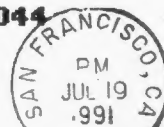
TIMELINEZ publication will cover three issues for the year 1991. Starting in 1992, the publication rate will increase up to four/six issues (or as finances permit).

Back issues of TIMELINEZ is available. Contact your editor at:

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(719) 591-6773

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